

**CITY OF LODI  
INFORMAL INFORMATIONAL MEETING  
"SHIRTSLEEVE" SESSION  
CARNEGIE FORUM, 305 WEST PINE STREET  
TUESDAY, FEBRUARY 26, 2002**

An Informal Informational Meeting ("Shirtsleeve" Session) of the Lodi City Council was held Tuesday, February 26, 2002 commencing at 7:02 a.m.

**A. ROLL CALL**

Present: Council Members – Hitchcock, Howard, Land, Nakanishi, and Mayor Pennino

Absent: Council Members – None

Also Present: City Manager Flynn, City Attorney Hays, and Deputy City Clerk Perrin

**B. CITY COUNCIL CALENDAR UPDATE**

Deputy City Clerk Perrin reviewed the weekly calendar (filed).

**C. TOPIC(S)**

**C-1 "Street Sweeping Improvements"**

Public Works Director Prima introduced the newest staff member to Public Works, Marlinda Devera, who's upcoming project will be to work on the storm water program, and also introduced Curt Juran, Street Contracts Administrator; Dave Bender, Streets Supervisor in charge of the street sweeping program; and George Bradley, Streets Superintendent.

Mr. Bradley reported that street sweeping is important in that it enhances the appearance of the City's streets and neighborhoods, thereby improving property values. The removal of debris from the streets and gutters, prior to it entering catch basins and the storm system, reduces blockages, pollution, and street flooding, as well as reducing the wear and tear on the City's aging storm pumps. As debris goes through the system, it acts as sandpaper, causing damage. The cost to rebuild these impairments is \$20,000. Street sweeping greatly reduces the debris and pollutants running into the Mokelumne River and the Woodbridge Irrigation canal from the City's storm system. For this reason, the street sweeping program is tied directly to the storm water program.

There are two types of street sweepers: the regenerative air (vacuum) sweeper and the mechanical/broom sweepers. The regenerative air sweepers meet PM10 "Fugitive Dust" requirements as set by the California Air Resources Board, create less dust and noise, have significantly lower maintenance costs, and pick up fine dirt, which is especially helpful with the large amount of fine particles collecting in between the downtown paving stones. Mechanical/broom sweepers are only now beginning to meet PM10 "Fugitive Dust" requirements by utilizing a greater amount of water. They are also noisier and more costly to maintain because of the increased number of moving parts; however, they excel in picking up larger debris and are cheaper. Although the regenerative air sweeper is more expensive initially, it is cheaper in the long run.

The key pollutant sources entering the waterways are total suspended solids, phosphorus, copper, zinc, and aluminum and come from the street surface, vehicles, and atmosphere.

Currently the City sweeps residential areas once a month, arterial (or larger) streets twice a month, and the downtown three times a week. There is one full-time staff position dedicated to the street route assignment with one sweeper used for street sweeping and a second one for street projects as a maintenance tool, responses to spills, and backup.

In response to Mayor Pro Tempore Hitchcock, Mr. Bradley stated the street sweeping program was downsized by 20% in 1993 due to budget constraints and cutbacks from the state. Prior to that street sweeping was done more often.

Public Works conducted a survey of 15 cities on how often they sweep their streets. In the downtown effort, Lodi appears to be in line with the other cities; however, with residential street sweeping, Lodi is behind the average. Lodi matches with the other cities in regard to sweeping of arterial streets. Nine of these cities are managing their street sweeping programs in-house, while six of the cities contract the service.

In the 2001-2003 budget, the City Council approved \$82,000 to increase the sweeping effort. The increase in funding was from the wastewater fund because of the direct impact on the storm water system. Staff will return to Council to discuss how the City should carry out this program (in-house or contract) as well as other improvements such as possible parking restrictions on sweeping days.

The City currently sweeps 6,100 curb miles per year, and, averaging the contract prices from the six survey cities at \$21 per curb mile, the City could spend \$128,100 annually for contract street sweeping services. The City's cost to sweep the same 6,100 curb miles is \$13.41 per curb mile, which includes depreciation of the unit, labor, overhead, dump fees, and maintenance, for a total cost of \$82,000. City-wide (administrative) overhead was not included in this estimate.

Mr. Bradley reviewed the following three options, using the premise that the total curb miles are doubled at 12,200 and that the downtown sweeping remains the same at three times per week:

1. Contract all sweeping – average cost \$226,000 per year.
2. Combine current in-house sweeping with additional contract sweeping – \$210,000 per year.
3. Acquire an additional sweeper and add one full-time position – \$160,000 per year.

In response to Mayor Pro Tempore Hitchcock, Mr. Bradley stated that the cost per curb mile would not increase with the doubling of the total curb miles swept. Mr. Prima added that the cost in fact could be less when using higher efficient equipment and productive operators, in addition to the fact that less debris will collect due to increased sweeping.

Mr. Bradley suggested parking restrictions also be considered because of the problem with on street parking of vehicles on street sweeping days. The following concepts were suggested:

- No parking on sweeping days;
- Alternate no parking on different sides of the street on sweeping day;
- Schedule to minimize impact (e.g. sweep businesses early before employees arrive and sweep apartment complexes once residents leave for work);
- Enforcement options: post signs City-wide or only at problem areas.

The cost for posting a permanent sign is \$60 and can be initiated by resident complaints or requests from staff or Council. Signage can be done block by block or only at neighborhood entrances. As an example, it would cost the City \$20,000 to install permanent signs block by block in the Parkwest area; however, permanent signs placed only at its entrances would cost \$500-\$600.

Staff recommended that Council give staff the flexibility to implement a street sweeping program and advertise and promote the sweeping schedule, along with a phone number to call in complaints. Reported problem areas would be blocked off with barricades and no parking signs in order to sweep the area. Staff would also track the number of times repeated problem areas arise in order to determine if permanent signage should be installed. This process would reduce the number of permanent signs going up throughout the City.

Council Member Land recommended that staff regularly advertise the street sweeping dates and times to better inform the citizens, which could result in fewer cars on the street. Extra effort needs to be taken with highly impacted areas, such as the east side neighborhoods that house multi-family units.

Suggestions on improving public notification included further utilizing the newspaper, special annual mailers with the utility bills similar to that of Central Valley Waste's mailers, and postings on the Web site of the schedule, map, and phone number to report problem areas.

Council Member Land suggested that a statement be included on the utility bill itself reminding homeowners to move their cars on their street sweeping day. Mr. Land requested staff to return to Council with a 4-5 year plan that would include steps to immediately address the highly impacted areas, to better notify residents, and to adjust the schedule with set sweeping dates and times. He favored posting signs at entrances of neighborhoods with additional signage at problem areas; however, signage should not be installed until the public is made aware of the program.

Mr. Bradley responded to Council Member Land that the current 12-year old three-wheel broom sweeper is at the end of its life span and is being used as a back up, and the seven-year old TYMCO sweeper will be moved to back up within the following year. If Council opted to keep the street sweeping services in-house, another unit would need to be purchased immediately because of the increased effort. The following year, the three-wheel unit would be replaced and the TYMCO sweeper would become the backup. The life of each of the three units would be nine years, with a unit being replaced every third year. In response to the question about potential savings, Mr. Bradley replied that when the street sweeping program was reduced, it became necessary to rebuild and replace two storm pumps per year because of the lack of cleaning. In addition, the Woodbridge Irrigation canal is dredged of total suspended solids every 5-6 years, which is more often than the 8-10 years done before the cutbacks. Because neighborhoods will be cleaned twice as often, there will be a reduced amount of debris, allowing the sweeper to stay at the curb longer, thereby getting a cleaner street.

Council Member Howard clarified that the proposal is to keep street sweeping in the downtown area as it is currently at three times per week, with residential areas and arterial streets doubled. Mr. Bradley responded in the affirmative.

In response to Council Member Howard, Mr. Bradley affirmed that the improvement to the storm water system is the major motivator behind improving the street sweeping program. The only complaints received from the public are calls that the street sweeper did not come through a neighborhood, when in fact it did. At this point, staff has not spent the funds approved by Council last year for the increased street sweeping.

Council Member Howard expressed her support of keeping the street sweeping services in-house and her opposition to placing an excess amount of signs throughout the City. Improved communications via the Web site and mailings are crucial so people are aware and will hopefully voluntarily move their cars. Ms. Howard questioned if the Lower Sacramento Road and Kettleman Lane improvements would increase the time, wear, and tear on the equipment because of the wider streets.

Mr. Bradley responded that it would since the curb miles are doubled due to the median. It may even take three passes in certain locations.

Mayor Pro Tempore Hitchcock requested that staff provide Council with the cost per curb mile of all of the comparison cities, as only the cities of Vacaville and Davis were provided. Ms. Hitchcock suggested that the street sweeping dates be regular and consistent to keep cars off of the streets.

Public Works Director Prima cautioned that the curb mile data is somewhat skewed as the city of Davis included leaf pick up in its figures.

Council Member Nakanishi voiced that the program is cost effective and needs to be done. He would like to see the high impact areas addressed and that no signs are installed or fines imposed at this point.

Mayor Pennino also expressed his opposition to installing a large number of signs and suggested consolidating the street sweeping with the garbage pick up days, to which Mr. Prima responded that there would be too many cans in the streets blocking the sweeper. Mayor Pennino would like staff to begin sweeping the east side immediately. He was in favor of keeping the service in-house; however, in the 3-4 months it takes to implement the program, he would approve of using the \$82,000 set aside to contract the service if necessary. He was in support of consistent, regular sweeping dates and favored the idea of overlapping shifts.

Mr. Bradley clarified that Council's direction to staff is to implement this program as quickly as possible, with the least amount of impact on the public. There are currently two street sweepers in service that would be utilized throughout the purchase mode of the third unit.

Council concurred that the purchase of the street sweeper and the addition of the full-time position should come before Council for approval following the usual process and that staff also return to Council with a proposed 4-5 year plan.

Public Works Director Prima affirmed that staff would immediately double the frequency of street sweeping; however, the posting of signs, restrictions, etc. will take time and come later in the process. Staff will begin with the soft approach first and assess problem areas, which will be tackled later. Public Works will return to Council in March with a formal presentation.

Mayor Pennino suggested taking advantage of volunteers in assisting with door-to-door fliers to notify the public of street sweeping schedules.

**D. COMMENTS BY THE PUBLIC ON NON-AGENDA ITEMS**

None.

**E. ADJOURNMENT**

No action was taken by the City Council. The meeting was adjourned at 7:52 a.m.

ATTEST:

Jennifer M. Perrin  
Deputy City Clerk

## **Mayor's & Council Member's Weekly Calendar**

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### **WEEK OF FEBRUARY 26, 2002**

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#### **Tuesday, February 26, 2002**

- 7:00 a.m.                Shirtsleeve Session**  
**1. Street Sweeping Improvements**
- 5:30 - 7:00 p.m.    Pennino. Grand opening and ribbon cutting for**  
**CitiFinancial, 1420 W. Kettleman Lane, Suite B3.**
- 6:00 p.m.             Premier West Credit Union 70<sup>th</sup> Anniversary Dinner,**  
**Elkhorn Country Club, Stockton.**
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#### **Wednesday, February 27, 2002**

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#### **Thursday, February 28, 2002**

- 8:00 a.m.             Pennino. San Joaquin Partnership Meeting.**
- 5:00 p.m.             Pennino. COG meeting.**
- 7:00 - 8:30 p.m.    Public Meeting to discuss the Kettleman Lane Improvement**  
**Project, Carnegie Forum.**
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#### **Friday, March 1, 2002**

- Reminder             Chamber's Farm Safety Day, Lodi Grape Festival Grounds.**
- 8:00 a.m.             Central Valley Regional Water Quality Control Board public**  
**meeting, Sacramento.**
- 8:00 a.m.             Pennino. Youth Conference "Light Tomorrow with Today"**  
**welcome and introduction, Lodi Academy Campus.**
- 6:00 p.m.             Pennino. SJCOG Regional Excellence Awards Program,**  
**Hutchins Street Square ~ Kirst Hall. Dinner at 7:00 p.m.,**  
**Recognition Presentations at 8:00 p.m., and dancing to**  
**follow.**
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#### **Saturday, March 2, 2002**

- 11:00 a.m.            Pennino. Arbor Day celebration, Blakely Park.**
- 5:30 p.m.             Pennino and Hitchcock. Lodi City Employees Association**  
**Annual Dinner Dance and Awards Banquet, Hutchins Street**  
**Square.**
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#### **Sunday, March 3, 2002**

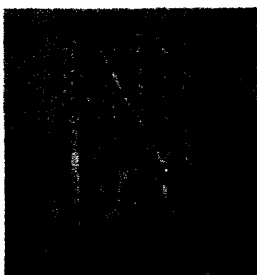
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#### **Monday, March 4, 2002**

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*Disclaimer: This calendar contains only information that was provided to the City Clerk's office*

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Open House and Reception  
Welcoming  
New York City Firefighter  
Doug Spano



The City of Lodi, California is one of two hundred cities across the country that will host a New York City firefighter this weekend, March 1 - 4, 2002, as part of "Cities Unite America and Thank New York Firefighters", a national effort to thank New York's heroic firefighters and to help spur travel and tourism across the country.

Please join us for a reception welcoming  
New York Firefighter Doug Spano  
to the City of Lodi

Location: Lodi Fire Station #4  
180 Lower Sacramento Road

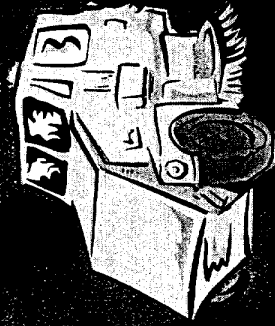
Date: Saturday, March 2, 2002

Time: 10:00 to 11:30 a.m.

*All members of the public are welcome!*

This effort is co-sponsored by  
the U.S. Conference of Mayors and NYC and Company

# A CLEANER SWEEP



## Alternatives for improved street sweeping.

Prepared by the Street Division of the City of Lodi.  
February 26, 2002

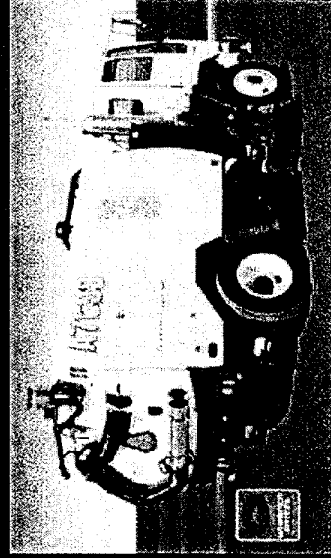
## Why is improved stormwater management important?

- Enhance the appearance of the City's streets and neighborhoods.
- To remove debris from the streets and gutters prior to it entering catch basins and the storm system, reducing blockages and pollution.
- To reduce the wear and tear on the City storm pumps.
- To reduce the debris and pollutants that run from the City's storm system and ultimately are discharged into the Mokelumne River and Woodbridge Irrigation Canal.

# Differences in Sweeping

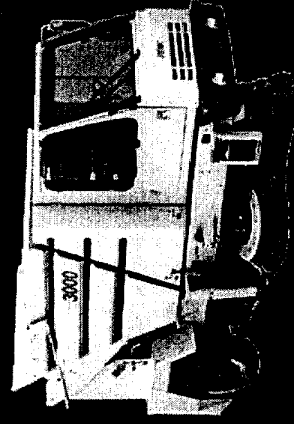
## Regenerative Air

- Meet PM10 Fugitive Dust requirements
- Creates less dust
- Quieter operation
- Significantly lower maintenance cost due to design
- Picks up finer dirt particles
- More expensive initial cost



## Mechanical/Broom

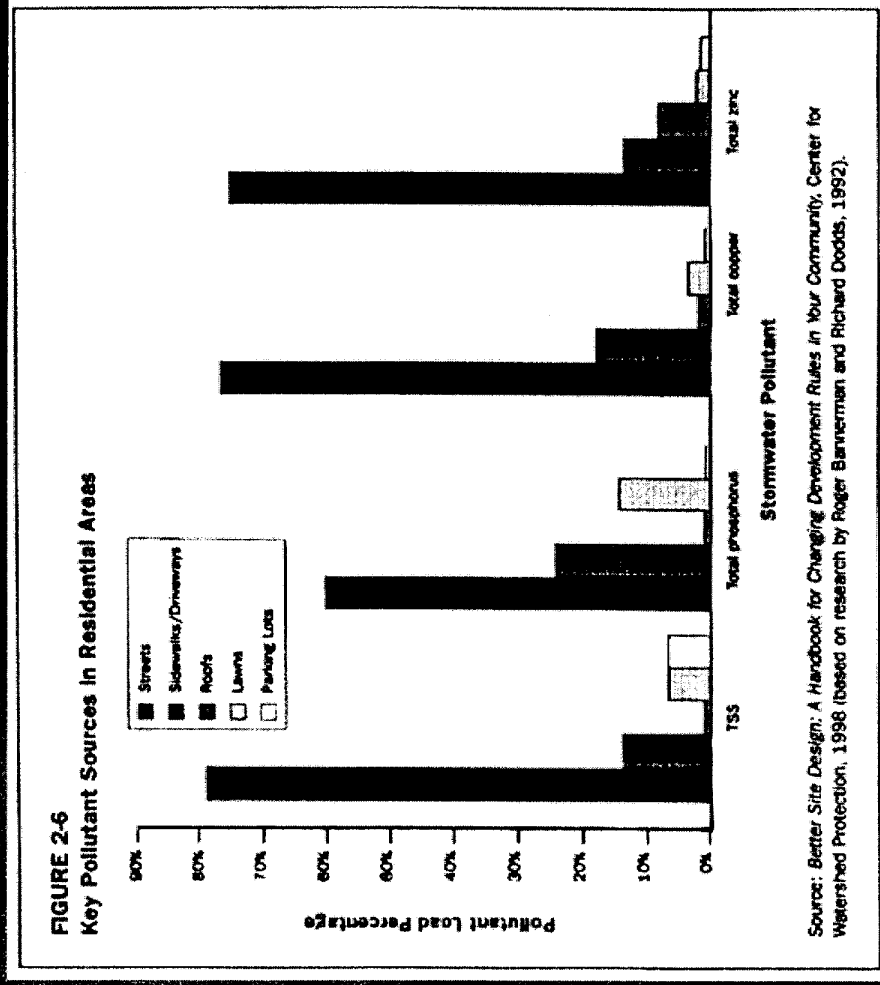
- No known units meet PM10 Fugitive Dust requirements
- More noise
- Significantly higher maintenance costs due to increase number of moving parts.
- Picks up larger debris
- Cheaper to purchase



# Key Pollutant Sources in Residential Areas

Majority of pollutants in urban runoff:

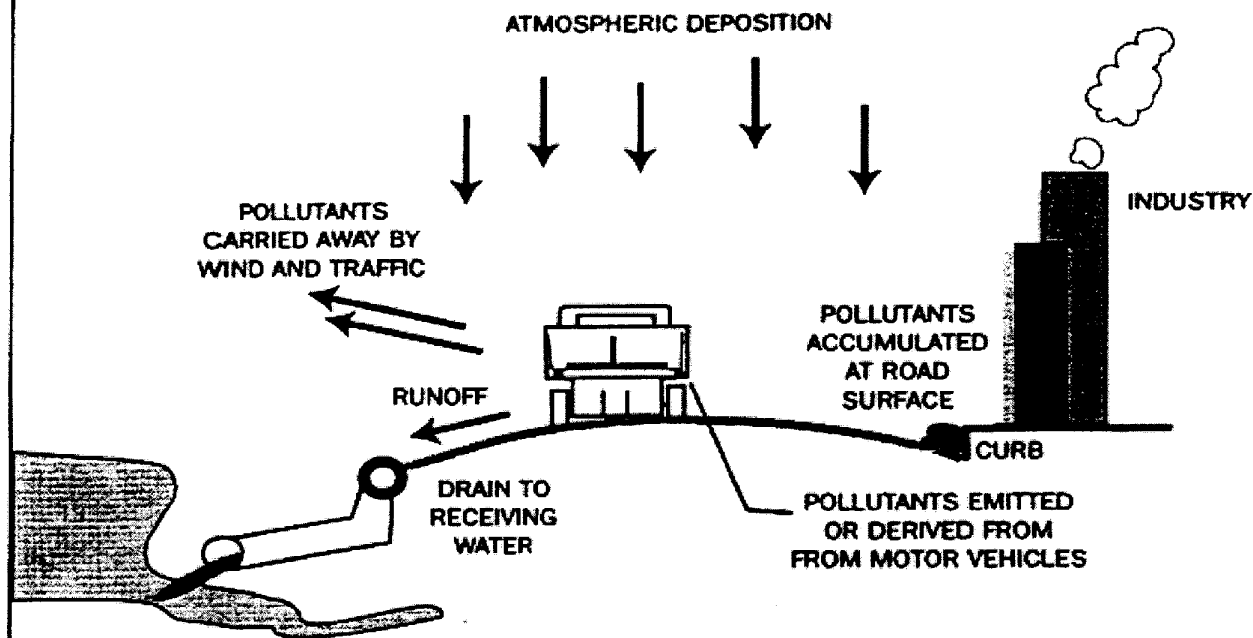
- TSS (total suspended solids)
- Phosphorus
- Copper
- Zinc



From property to curb  
to the river.

**FIGURE 2-5**

**Pollutant Accumulation on Impervious Street and Highway Surfaces**



Source: Based on Novotny and Olem, *Water Quality: Prevention, Identification, and Management of Diffuse Pollution*, 1994.

# City of Lodi's Curbside Cleaning

- Residential sweeping - once a month.
- Arterial sweeping - twice a month.
- Downtown - three times a week.
- One full-time staff position.
- One sweeper is used for street sweeping, the second sweeper is used for street projects as a maintenance tool, responding to spills, and as a backup sweeper.



## How often are other Cities sweeping?

	<i>Downtown</i>	<i>Residential</i>	<i>Arterials and Collectors</i>
<b>Chico</b>	3 times a week	once every other week*	once every other week*
<b>Davis</b>	twice a week	once per week	
<b>Fairfield</b>	every day	bi-weekly	weekly
<b>Manteca</b>	3 times a week	every other week	
<b>Merced</b>	3 times a week	twice a month	
<b>Modesto</b>	nightly	twice a month	
<b>Redding</b>	once every eight	once every two months	
<b>Roseville</b>	every other week	once a month	every other week
<b>Stockton</b>	every day	twice a month	
<b>Tracy</b>	twice a week	once every two weeks	
<b>Turlock</b>	twice a week		
<b>Vacaville</b>	NA	NA	NA
<b>Visalia</b>	NA	NA	NA
<b>Woodland</b>	NA	NA	NA
<b>Lodi</b>	3 times a week	once a month	every other week

\*bike lanes swept weekly

NA - no information from agency

# What are other cities doing?

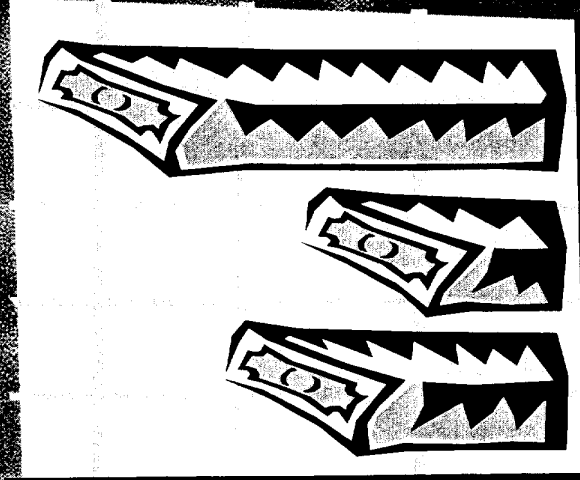
	<i>Population</i>	<i>Contract or City?</i>
<b>Chico</b>	64,000	Contract
<b>Davis</b>	62,000	Contract
<b>Fairfield</b>	98,800	City
<b>Manteca</b>	51,900	City
<b>Merced</b>	65,400	City
<b>Modesto</b>	194,400	City
<b>Redding</b>	82,500	City
<b>Roseville</b>	83,000	City
<b>Stockton</b>	251,000	City
<b>Tracy</b>	61,200	Contract
<b>Turlock</b>	57,800	Contract
<b>Vacaville</b>	91,200	Contract
<b>Visalia</b>	94,300	City
<b>Woodland</b>	50,600	Contract
<b>Lodi</b>	50,601	City

## What's been approved?

- In the 2001 - 2003 Budget, \$82,000 was added to increase sweeping frequency.
- Increase funding was from the Wastewater Budget because of the reduction of pollutants to the storm system.
- Implementation (City vs. Contract) was to be discussed at future meetings.
- Other improvements to be discussed included possible prohibited parking on sweeping days.



# Costs for Contract



- Total current curb miles swept annually =
- Average contract cost per curb mile =
- Total annual cost for contract sweeping alone at current level based on average cost =

The cost of contract sweeping was based on costs gathered from five out of fifteen Cities in the Lodi area that currently contract out sweeping. The costs ranged from a low of \$12.52 per curb mile for the City of Vacaville, to a high of \$34.07 per curb mile for the City of Davis. This was then multiplied by the current number of miles swept for an annualized cost.

# Current Sweeping



- Total curb miles swept annually = 6,100 miles
- Current total cost per curb mile = \$13.41
- Total annual costs include all costs associated with sweeping the City of Lodi. Included in the calculations are; dump fees, sweeper maintenance, sweeper depreciation based on 6 years, and labor = \$82,000

In house costs are gathered from the current existing costs of the following factors:

All Labor, Equipment Maintenance & Repairs, Fuel, and Dumping Fees. The cost of responding to spills and using the sweeper in street maintenance is added to the cost of maintaining the sweeper, but the additional miles were not added to the sweeping miles.

# Options for Increasing Sweeping Frequency

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- Contract out all sweeping
- Combine current sweeping with additional contract sweeping.
- Acquire an additional sweeper and add a full time position.

## **Option 1 - Contract**

**Estimated costs to double current frequency by contracting all sweeping.**

**Average cost to sweep 12,200 curb miles annually = \$226,000**

**Lowest found cost to sweep 12,200 curb miles annually = \$153,000**

**Highest found cost to sweep 12,200 curb miles annually = \$415,000**

**Cost estimates came from five of fifteen cities contacted in the area that make use of contract sweeping.**

## **Option 2 - 50/50**

### **Current sweeper + contract**

**Average annual cost to double sweeping frequency using contract sweeping in combination with City sweeping = \$210,000**

**Lowest annual found cost to double sweeping frequency using contract sweeping combined with City sweeping = \$158,000**

**Highest annual found cost to double sweeping frequency using contract sweeping combined with City sweeping = \$290,000**

Cost estimates came from five of fifteen cities contacted in the area that make use of contract sweeping.

## **Option 3 – Current City acquiring a new sweeper and an additional operator**

**Annual cost to double sweeping frequency  
using current sweeping and acquiring a  
new sweeper and additional operator =  
\$160,000**

Costs include all Labor, Equipment Maintenance & Repairs, Fuel, and Dumping Fees for two sweepers and operators. The cost of the second sweeper is based on a purchase price of \$135,000 depreciated over 6 years. Sweepers have historically been kept for twelve years.

# Summary of options

	Option 1. Contract All	Option 2. 50/50	Option 3. All City
Lowest Known Cost	\$153,000 Annually	\$159,000 Annually	
Average Cost	\$226,000 Annually	\$210,000 Annually	\$160,000 Annually
Comments	<p>Most expensive option. Must go to bid, no control on annualized costs. Current position would be absorbed within a year without adding staff. No staff person to respond to spills on streets. Existing sweeper would not need to be replaced as soon.</p>	<p>Second most expensive option. Must go to bid, no control on annualized costs. Sweeper would still need to be replaced in 2003/2004 budget year. No staff changes.</p>	<p>Known upfront costs. Least expensive option. Adds to fleet. Adds a staff position.</p>